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Physics 344

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8 December 2013

Geophysics

Even as a little girl I have always been fascinated by the world. I have always wanted to know how everything works, why the world is the way it is, and how the world is made. As I grew up my fascination with the plant Earth continues with every little thing I learn about it. This fascination has led me to the study of physics. I love how physics is so uniform, and how everything can be calculated and how physics can explain everything. By putting my two loves together; physics and the study of the earth, I think I have found my perfect field of study in geophysics.

Geophysics is the physics of the Earth and its place in space. There isn’t a more interesting or more important topic to me. I can put my love of physics into the exploration and explanation of the planet Earth. With geophysics, I have so many options about what to study. I can focus on the gravity and how that has caused the Earth to take shape, and how the gravity from the sun and moon causes tidal waves of the ocean. I can focus on the Earth’s electromagnetic field, and study how it is made in the core of the earth. I can also study mineral physics and study the Earth’s interior for seismology. I can also study Radioactivity and radioactive dating or how radioactive decay accounts for the Earth’s internal heat. I can also study so many other things that connect physics to the planet Earth.

My curiosity of the unknown drives my interest in physics and my desire to study it. I would love to be part of the discoveries in Geophysics which may change the way the human population sees the Earth, and how my discoveries may cause the human population to be amazed and appreciate the beauty of how the world works.